

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077924.D
 Acq On : 16 Dec 2023 02:44
 Operator : RP/MD
 Sample : 05765-02
 Misc : 5.03G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 05:13:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

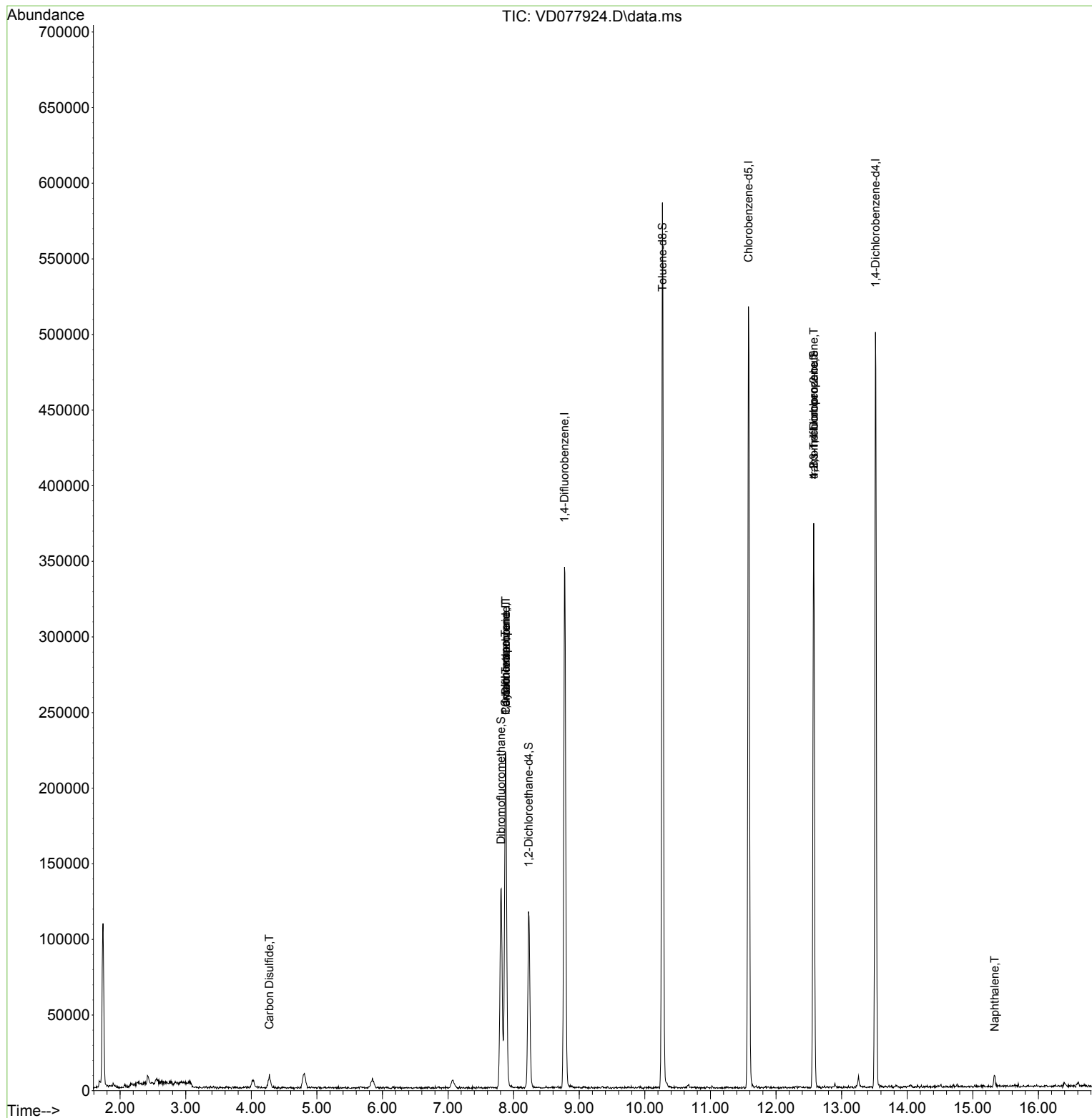
Internal Standards						
1) Pentafluorobenzene	7.881	168	165739	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	312787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	299611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	131277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	88910	45.525	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.040%
35) Dibromofluoromethane	7.810	113	95452	43.566	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.140%
50) Toluene-d8	10.269	98	392600	44.740	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.480%
62) 4-Bromofluorobenzene	12.575	95	113452	43.244	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.480%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.058	59	166	Below Cal	#	73
16) Acetone	4.028	43	9997	Below Cal	#	82
17) Carbon Disulfide	4.275	76	15097	2.240	ug/l #	94
20) Methylene Chloride	4.793	84	7804	Below Cal	#	87
25) 2-Butanone	7.087	43	2587	Below Cal		97
31) Cyclohexane	7.875	56	3792	1.092	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	13276	3.788	ug/l #	48
38) Carbon Tetrachloride	7.881	117	17185	4.919	ug/l #	18
65) Chlorobenzene	11.604	112	86	Below Cal	#	28
76) 1,2,3-Trichloropropane	12.575	75	60953	53.461	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	60953	108.315	ug/l #	17
88) 1,4-Dichlorobenzene	13.528	146	63	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.710	75	136	Below Cal	#	1
95) Naphthalene	15.334	128	6636	1.437	ug/l #	95

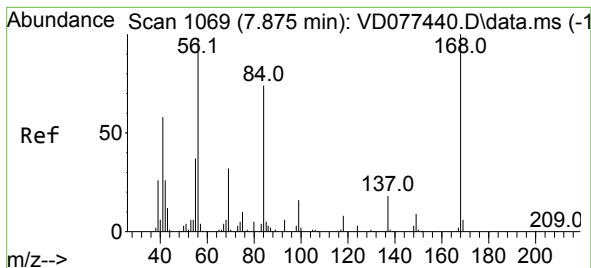
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077924.D

Acq: 16 Dec 2023 02:44

Instrument :

MSVOA_D

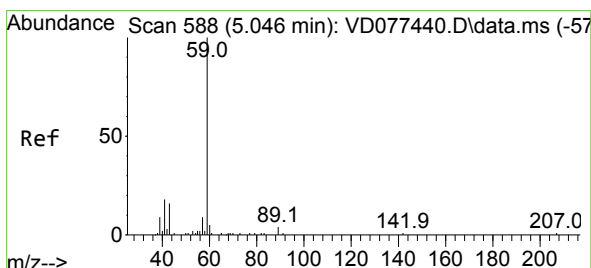
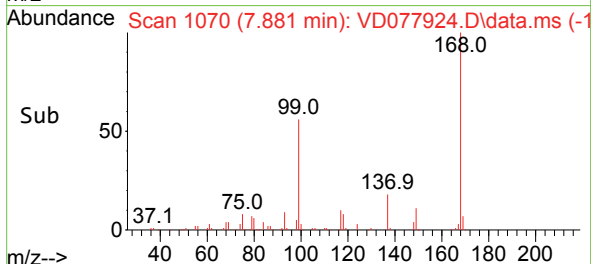
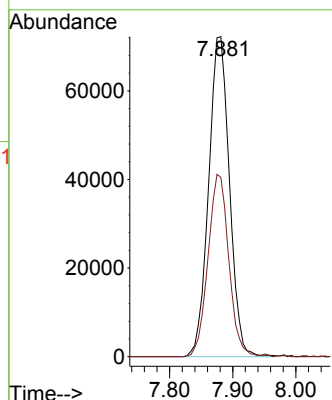
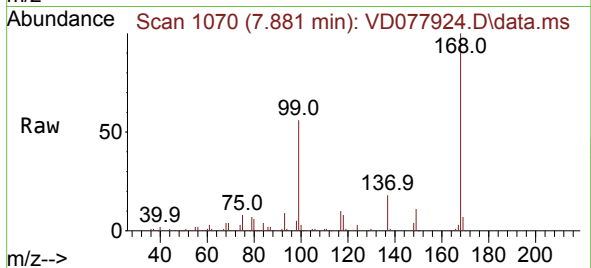
ClientSampleId :

Tgt Ion:168 Resp: 165739

Ion Ratio Lower Upper

168 100

99 56.1 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.058 min Scan# 590

Delta R.T. 0.012 min

Lab File: VD077924.D

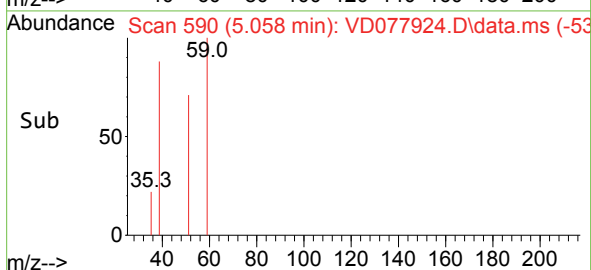
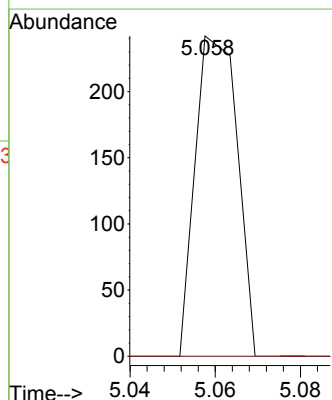
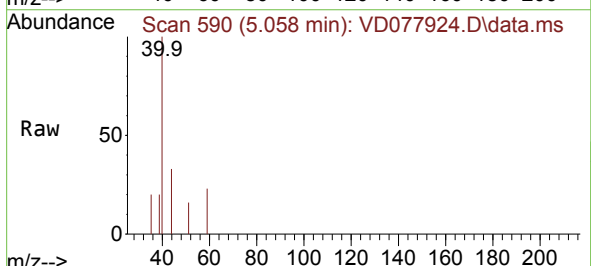
Acq: 16 Dec 2023 02:44

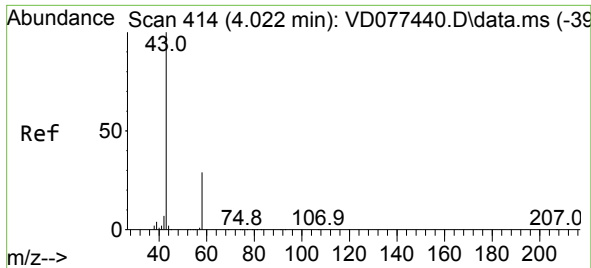
Tgt Ion: 59 Resp: 166

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

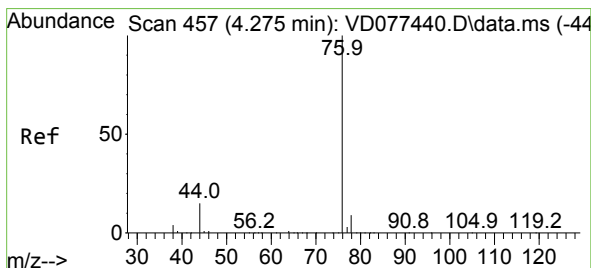
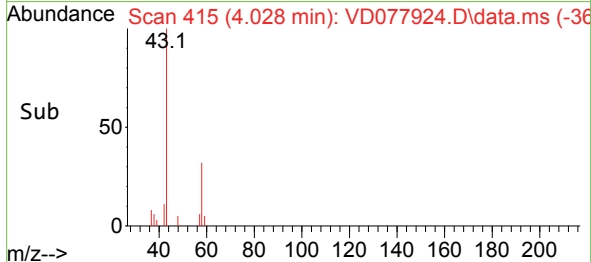
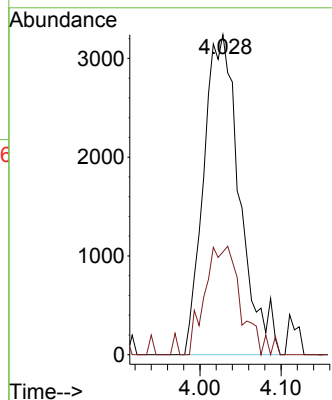
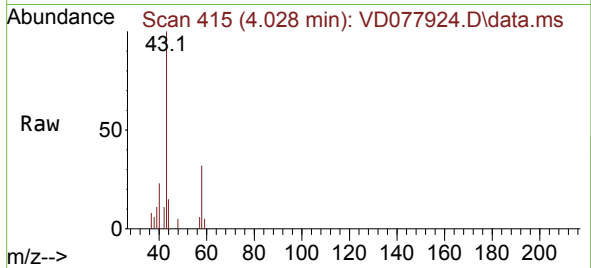




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077924.D
Acq: 16 Dec 2023 02:44

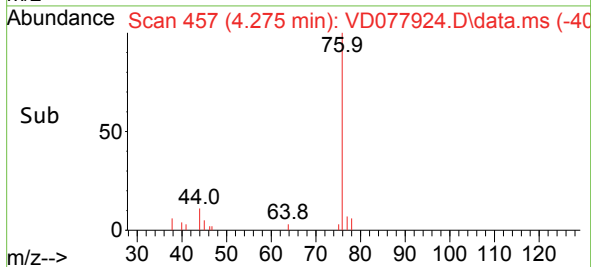
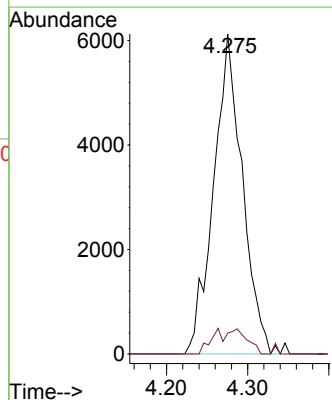
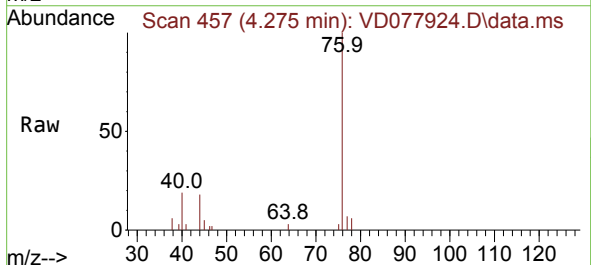
Instrument :
MSVOA_D
ClientSampleId :

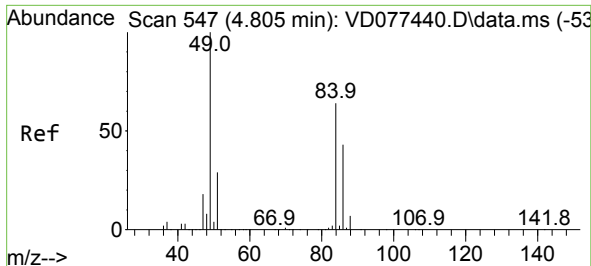
Tgt Ion: 43 Resp: 9997
Ion Ratio Lower Upper
43 100
58 32.1 34.7 52.1#



#17
Carbon Disulfide
Concen: 2.240 ug/l
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD077924.D
Acq: 16 Dec 2023 02:44

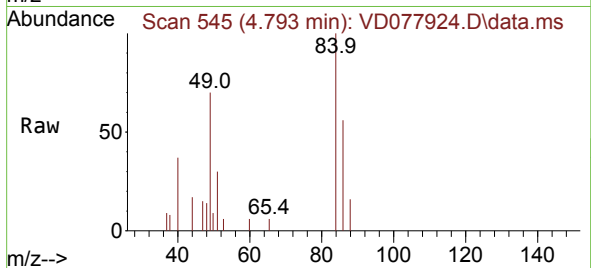
Tgt Ion: 76 Resp: 15097
Ion Ratio Lower Upper
76 100
78 6.5 6.8 10.2#



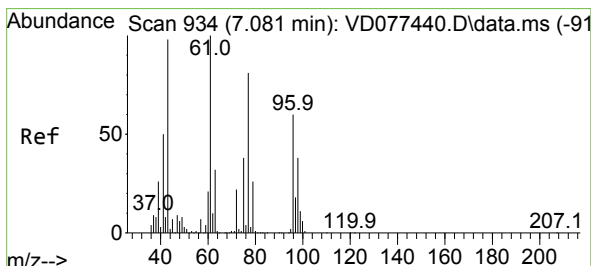
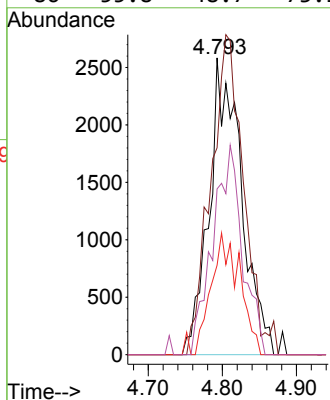
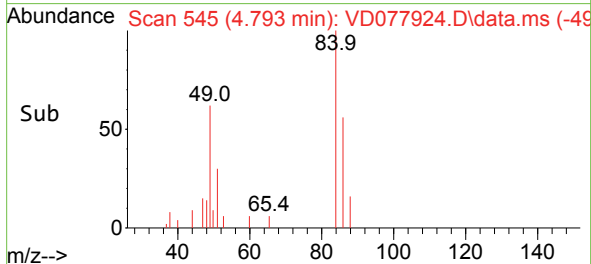


#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 547
Delta R.T. -0.012 min
Lab File: VD077924.D
Acq: 16 Dec 2023 02:44

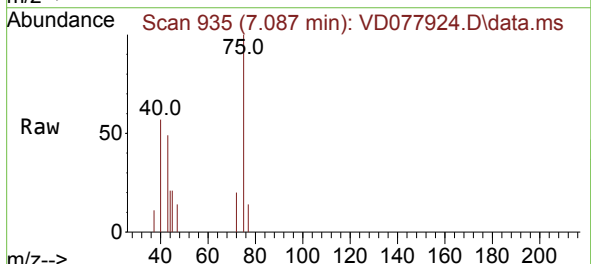
Instrument :
MSVOA_D
ClientSampleId :



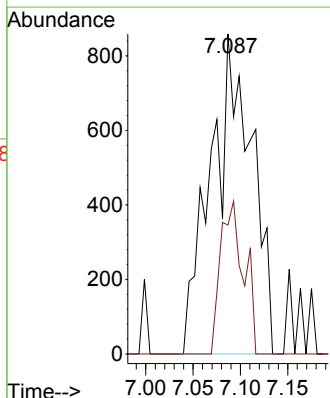
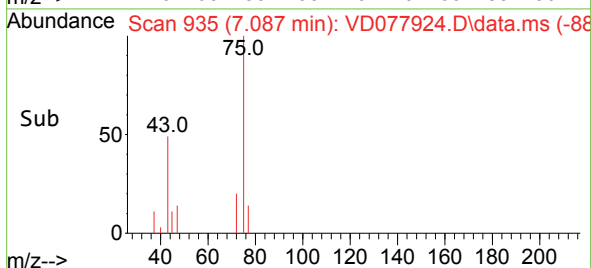
Tgt Ion: 84 Resp: 7804
Ion Ratio Lower Upper
84 100
49 69.7 71.4 107.2#
51 30.1 24.5 36.7
86 55.8 48.7 73.1

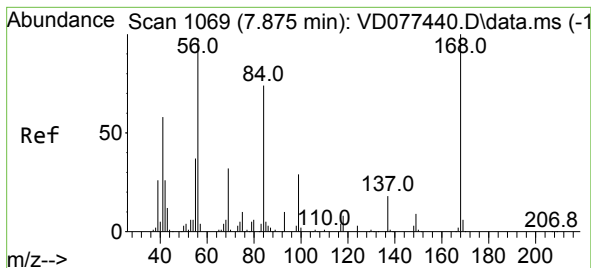


#25
2-Butanone
Concen: Below Cal
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD077924.D
Acq: 16 Dec 2023 02:44



Tgt Ion: 43 Resp: 2587
Ion Ratio Lower Upper
43 100
72 40.3 30.7 46.1





#31

Cyclohexane

Concen: 1.092 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

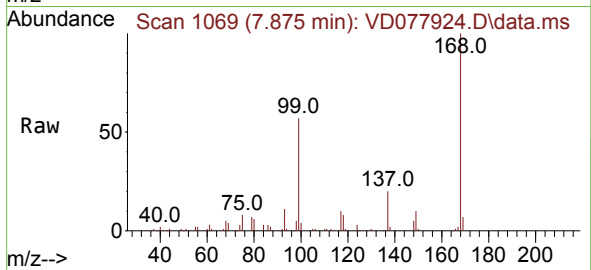
Lab File: VD077924.D

Acq: 16 Dec 2023 02:44

Instrument :

MSVOA_D

ClientSampleId :



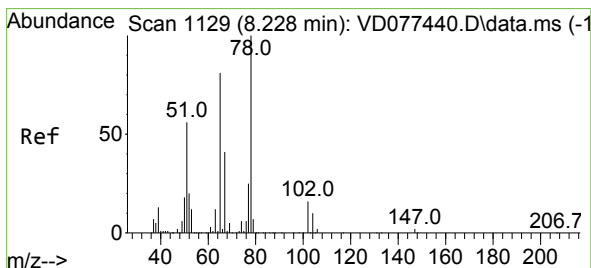
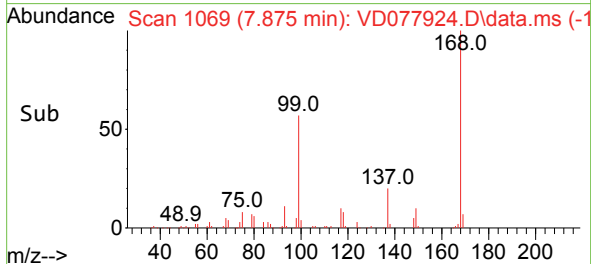
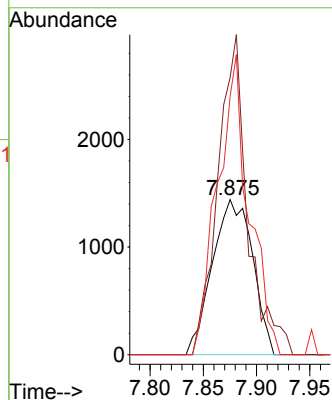
Tgt Ion: 56 Resp: 3792

Ion Ratio Lower Upper

56 100

69 178.7 28.6 43.0#

84 166.6 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 45.525 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077924.D

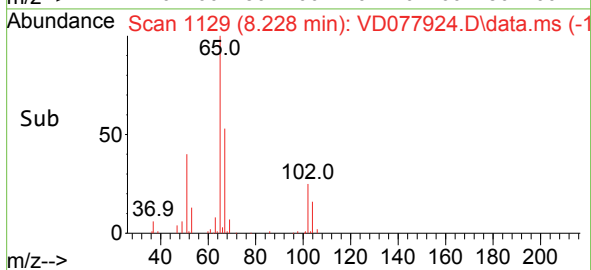
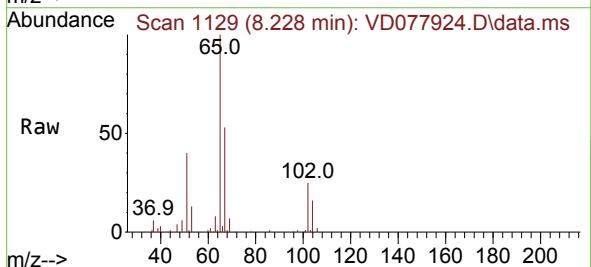
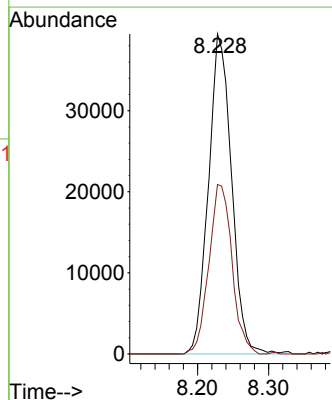
Acq: 16 Dec 2023 02:44

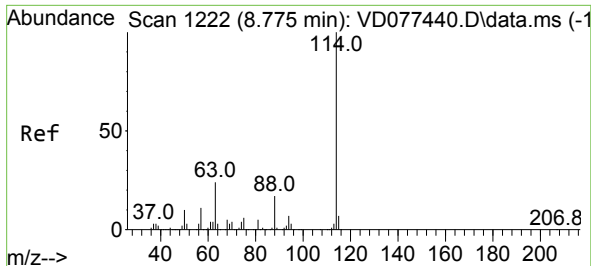
Tgt Ion: 65 Resp: 88910

Ion Ratio Lower Upper

65 100

67 53.0 0.0 115.0

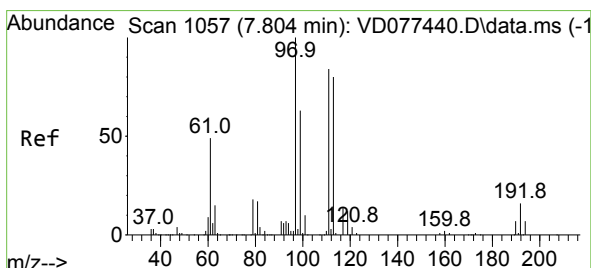
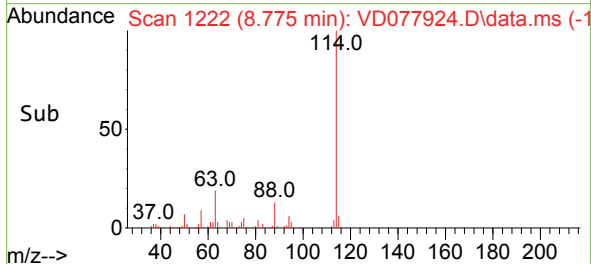
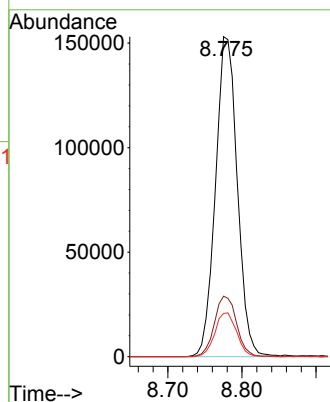
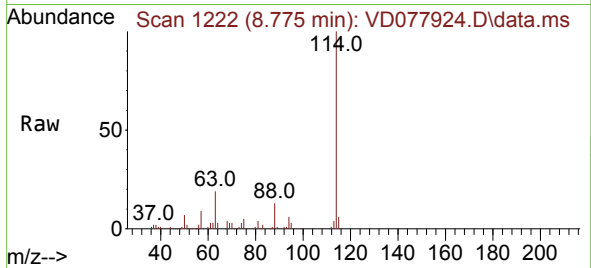




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077924.D
Acq: 16 Dec 2023 02:44

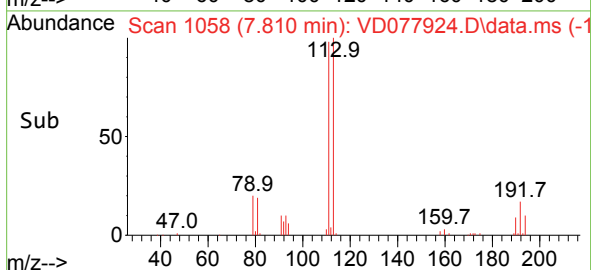
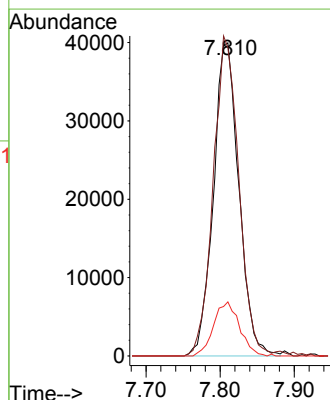
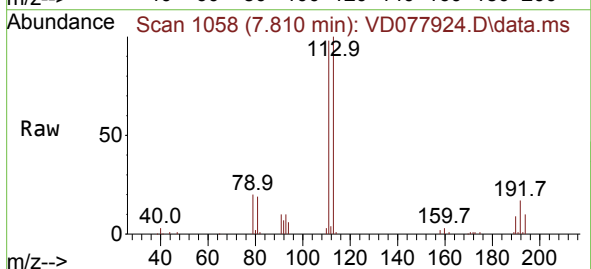
Instrument :
MSVOA_D
ClientSampleId :

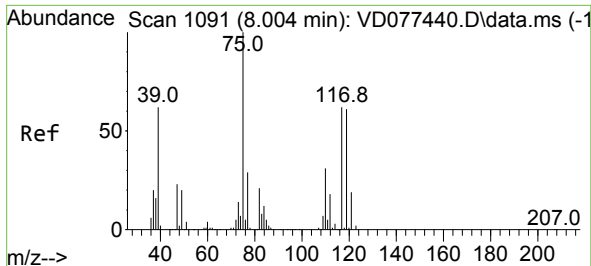
Tgt Ion:114 Resp: 312787
Ion Ratio Lower Upper
114 100
63 18.9 0.0 33.4
88 13.5 0.0 26.2



#35
Dibromofluoromethane
Concen: 43.566 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077924.D
Acq: 16 Dec 2023 02:44

Tgt Ion:113 Resp: 95452
Ion Ratio Lower Upper
113 100
111 102.1 84.7 127.1
192 17.5 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.788 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.123 min

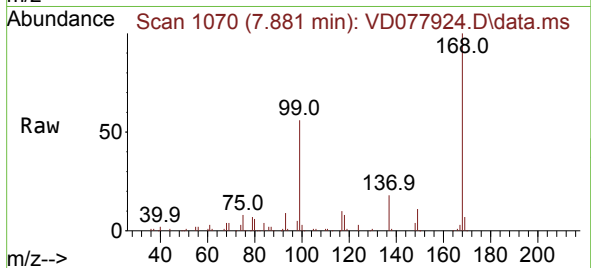
Lab File: VD077924.D

Acq: 16 Dec 2023 02:44

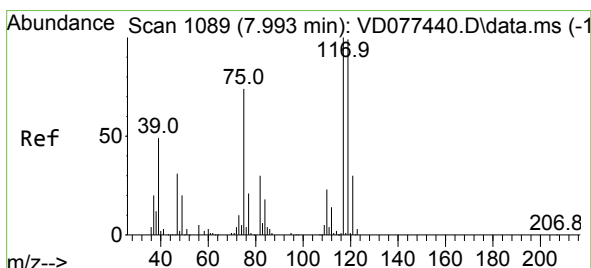
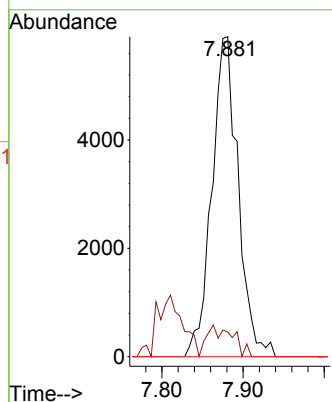
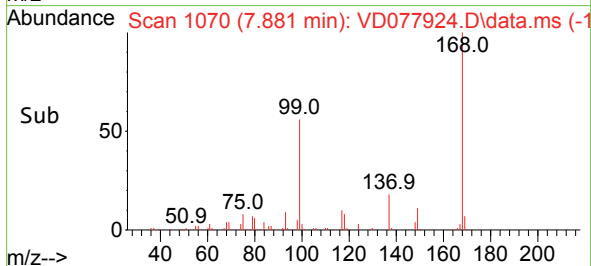
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	13276
Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 4.919 ug/l

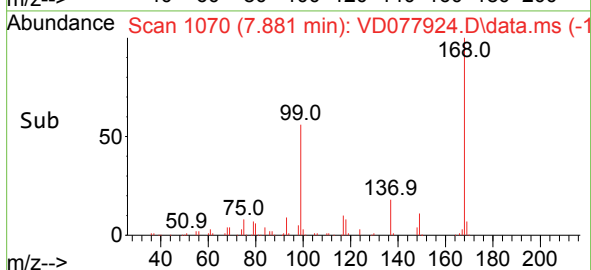
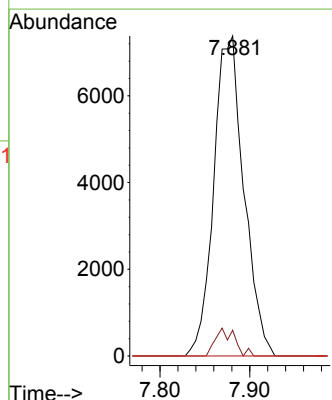
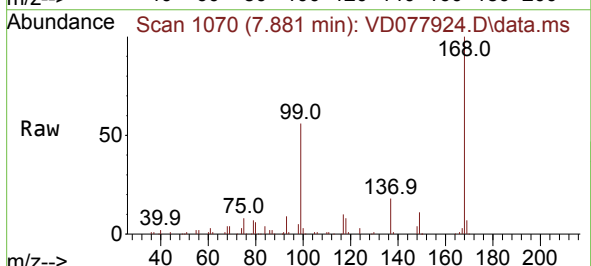
RT: 7.881 min Scan# 1070

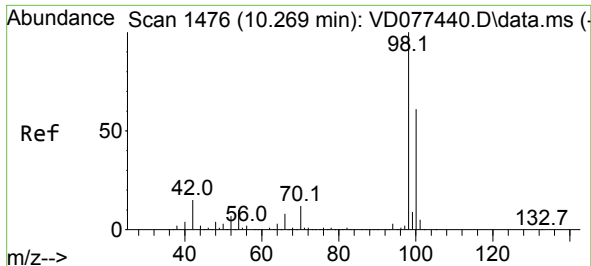
Delta R.T. -0.112 min

Lab File: VD077924.D

Acq: 16 Dec 2023 02:44

Tgt Ion:	117	Resp:	17185
Ion	Ratio	Lower	Upper
117	100		
119	8.0	78.0	117.0#
121	0.0	24.2	36.2#

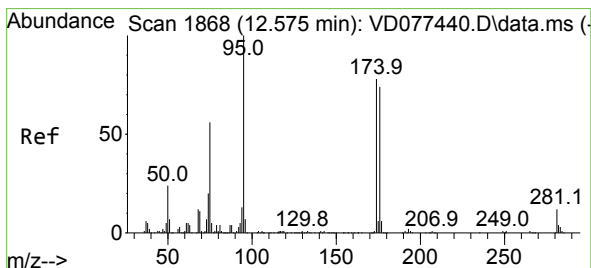
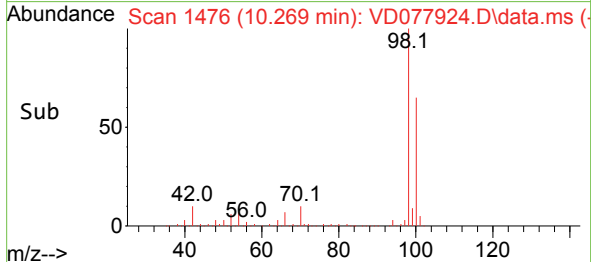
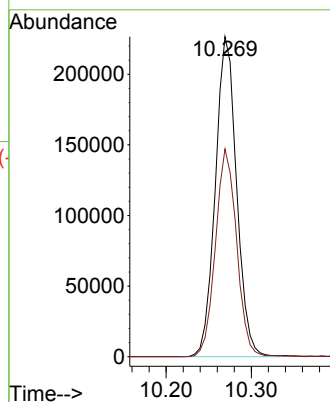
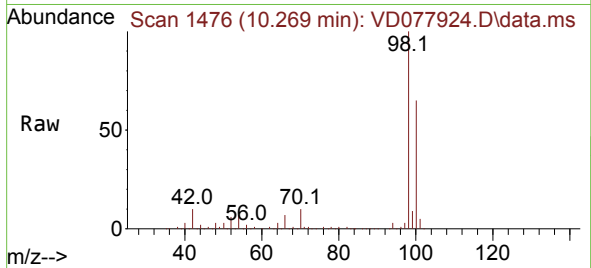




#50
Toluene-d8
Concen: 44.740 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077924.D
Acq: 16 Dec 2023 02:44

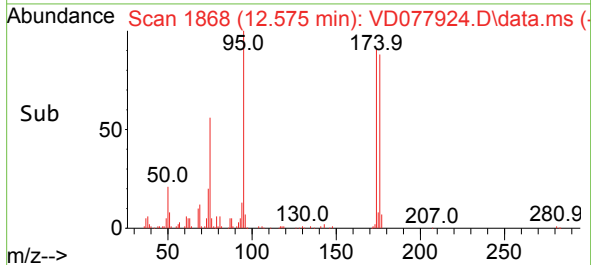
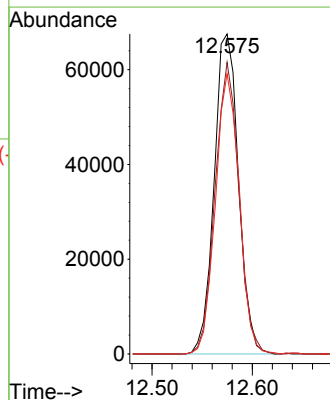
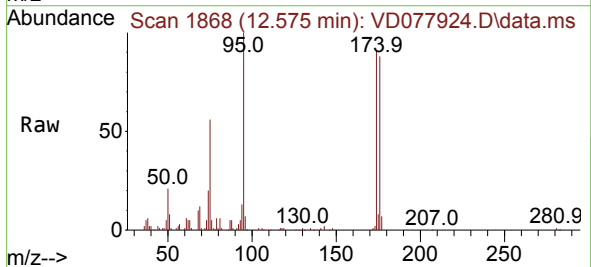
Instrument :
MSVOA_D
ClientSampleId :

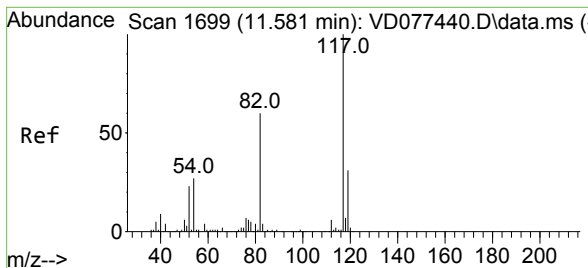
Tgt Ion: 98 Resp: 392600
Ion Ratio Lower Upper
98 100
100 64.7 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 43.244 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077924.D
Acq: 16 Dec 2023 02:44

Tgt Ion: 95 Resp: 113452
Ion Ratio Lower Upper
95 100
174 89.1 0.0 201.8
176 85.6 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077924.D

Acq: 16 Dec 2023 02:44

Instrument :

MSVOA_D

ClientSampleId :

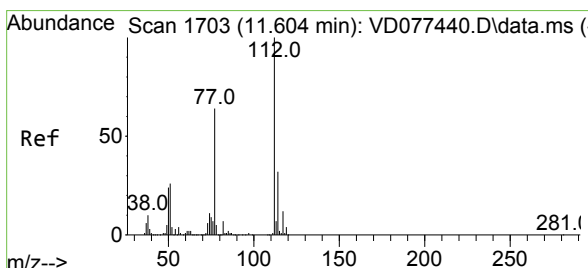
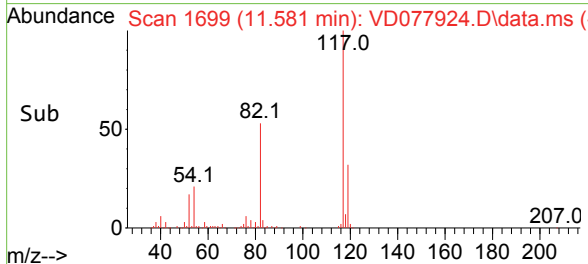
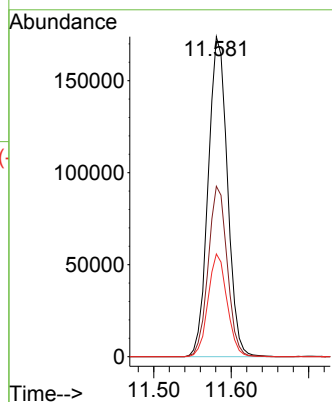
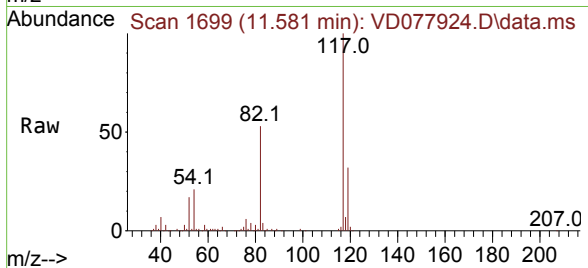
Tgt Ion:117 Resp: 299611

Ion Ratio Lower Upper

117 100

82 53.3 38.3 57.5

119 32.1 25.0 37.4



#65

Chlorobenzene

Concen: Below Cal

RT: 11.604 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD077924.D

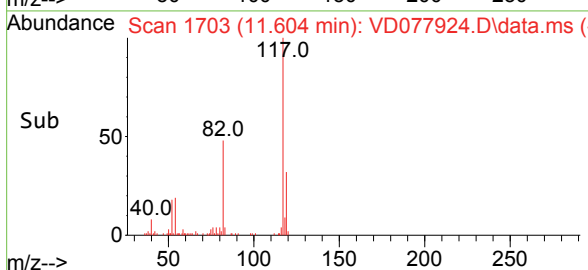
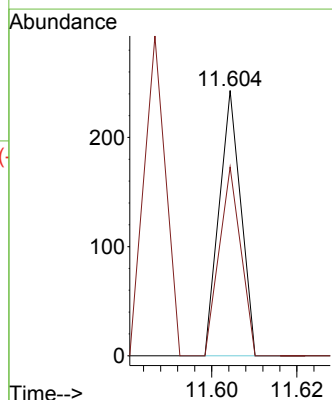
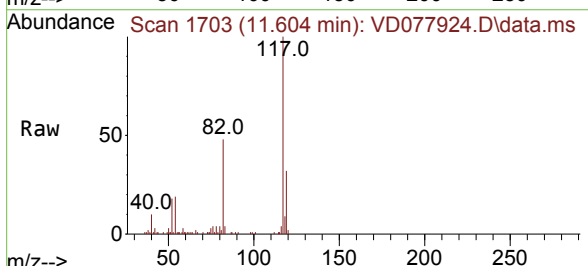
Acq: 16 Dec 2023 02:44

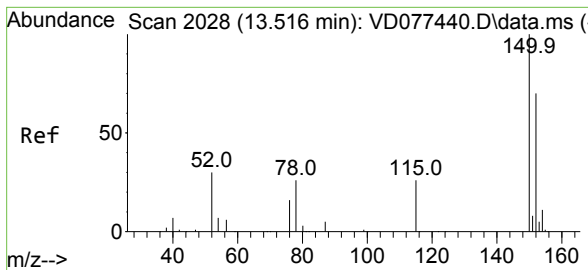
Tgt Ion:112 Resp: 86

Ion Ratio Lower Upper

112 100

114 71.2 25.1 37.7#

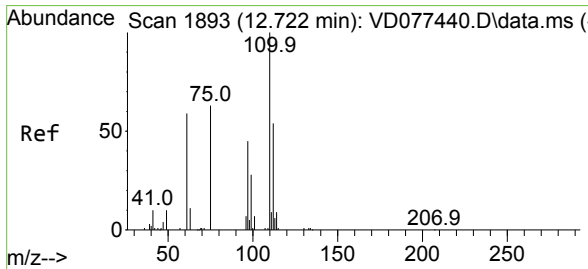
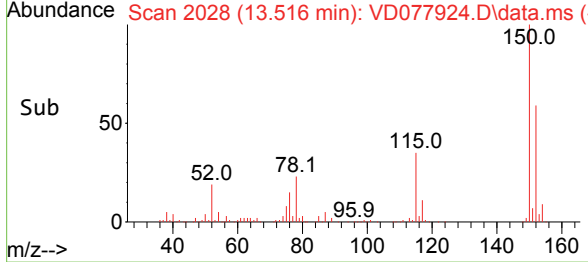
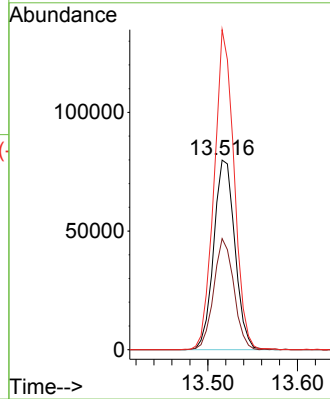
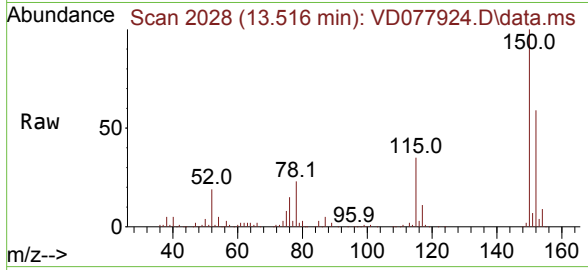




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD077924.D
 Acq: 16 Dec 2023 02:44

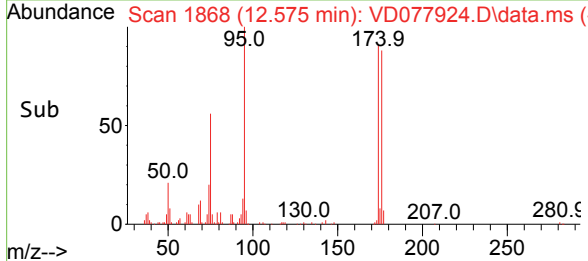
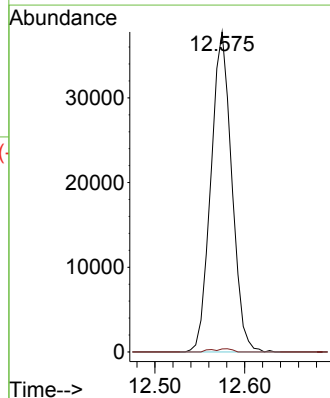
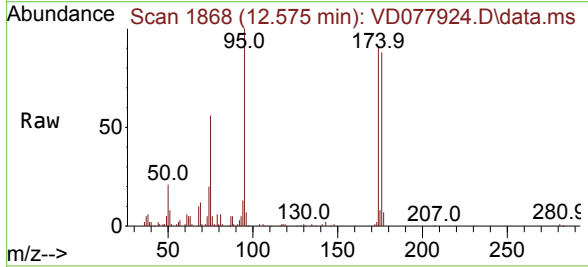
Instrument :
 MSVOA_D
 ClientSampleId :

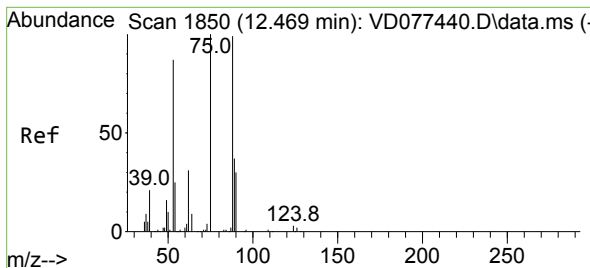
Tgt Ion:152 Resp: 131277
 Ion Ratio Lower Upper
 152 100
 115 55.7 27.1 81.3
 150 158.7 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 53.461 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077924.D
 Acq: 16 Dec 2023 02:44

Tgt Ion: 75 Resp: 60953
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

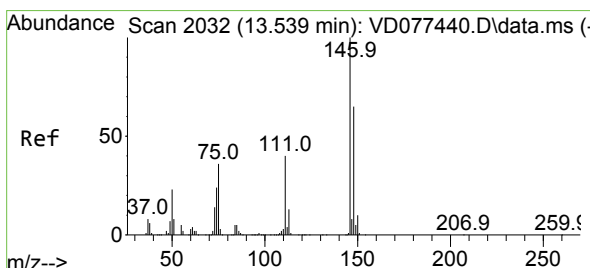
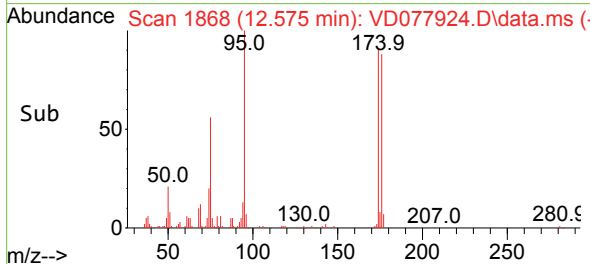
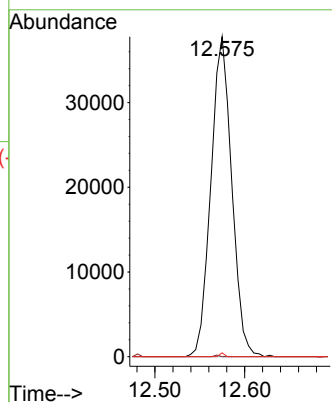
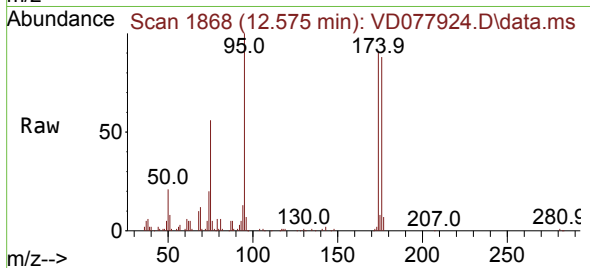




#81
trans-1,4-Dichloro-2-butene
Concen: 108.315 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077924.D
Acq: 16 Dec 2023 02:44

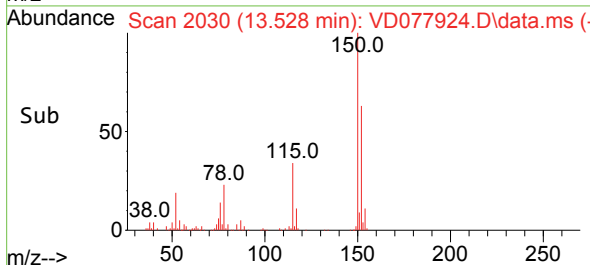
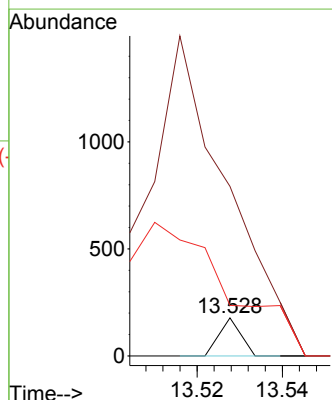
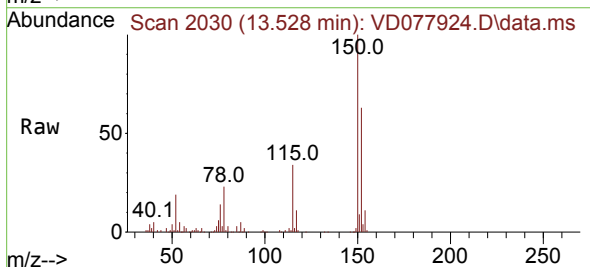
Instrument :
MSVOA_D
ClientSampleId :

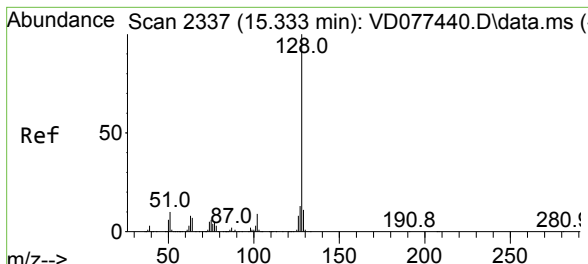
Tgt Ion: 75 Resp: 60953
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.3 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.528 min Scan# 2030
Delta R.T. -0.011 min
Lab File: VD077924.D
Acq: 16 Dec 2023 02:44

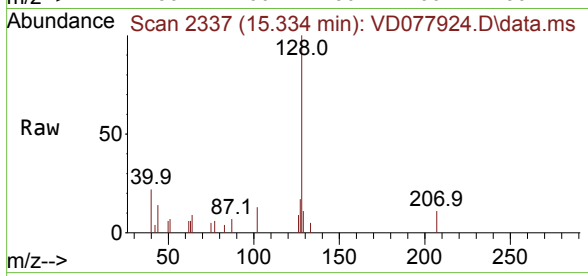
Tgt Ion:146 Resp: 63
Ion Ratio Lower Upper
146 100
111 3206.3 17.4 52.3#
148 1687.3 31.7 95.1#





#95
 Naphthalene
 Concen: 1.437 ug/l
 RT: 15.334 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: VD077924.D
 Acq: 16 Dec 2023 02:44

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:128 Resp: 6636

Ion	Ratio	Lower	Upper
128	100		
127	16.8	10.5	15.7#
129	10.8	8.7	13.1

